

- Smithsonian institution.** Annual report... 1907. Washington. 1908. lvii, 726 p. 8°.
- Tananaive.** Observatoire de Madagascar. Observations météorologiques. 1907. Tananaive. 1908. vi, 271 p. 8°.
- Thomson, J[oseph] J[ohn].** Elements of the mathematical theory of electricity and magnetism. 3d edition. Cambridge. 1904. viii, 544 p. 12°.
- Titchener, E. B.** The psychophysics of climate. (Reprinted from the American journal of psychology. Jan., 1909. v. 20, p. 1-14.)
- U. S. Coast and geodetic survey.** United States magnetic tables and magnetic charts for 1905. Washington. 1908. 154 p. 1°.
- Voeikov, A[leksandr].** Klimat Poliesia. St. Petersburg. 1897. 28 p. 8°. (Russian.)
- West Indies. Imperial department of agriculture.** Barbados. Report of the agricultural work. pt. 3, 1905-7. Barbados. 1908. 99 p. 1°.
- Wiesbaden. Meteorologische Station.** Ergebnisse der meteorologischen Beobachtungen der Station II. Ordnung Wiesbaden im Jahre 1907. Wiesbaden. 1908. 54 p. 8°. (Sonderabdruck aus den Jahrbüchern des Nassauischen Vereins für Naturkunde. Jahrgang 61.)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Librarian.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers or other communications bearing on meteorology or cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled; it shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a —

- American geographical society.** Bulletin. New York. v. 41. Jan., 1909.
- Ward, Robert DeC.** Tuberculosis and climate. p. 22-23.
- American society civil engineers.** Proceedings. New York. v. 35. Jun., 1909.
- Matthews, Ernest R., and Watson, James. The action of frost on cement and cement mortar, together with other experiments on these materials. p. 2-14.
- Astrophysical journal.** Chicago. v. 29. Jan., 1909.
- Humphreys, W[illiam] J[ackson]. Vertical temperature gradients of the atmosphere, especially in the region of upper inversion. p. 14-32.
- Electrical review.** Chicago. v. 54. Jan. 23, 1909.
- An electric hygroscope. [Abstract of paper by Pionchon.] p. 157.
- Electrical world.** New York. v. 53. 1909.
- Carpenter, Daniel S. The theory of lightning. (Jan. 7.) p. 111-113; (Jan. 14.) 158-161.
- Engineering news.** New York. v. 61. Jun. 28, 1909.
- Forests and snow in the high mountains. p. 100.
- Geographical journal.** London. v. 33. Feb., 1908.
- Oldham, R. D. The Italian earthquake of December 28, 1908. p. 185-188.
- M., H. R. The meteorology of the "Discovery." p. 188-191. [Review.]
- Meteorological society of Japan.** Journal. Tokio. 27th year. Dec., 1908.
- Tamura, S. T. Prof. Cleveland Abbe and his work. [Japanese.]
- Nature.** London. v. 79. Dec. 17, 1908.
- Meteorology in South Victoria Land. [Abstract of "National antarctic expedition 1901-4, Meteorology, pt. 1."] p. 202-208.
- Nature.** London. v. 79. Jan., 1909.
- Meteorological reports by wireless telegraphy. [Note on experiments to be conducted by Meteorological office and Deutsche Seewarte.] p. 287. (Jan. 7.)
- O., R. D. The Italian earthquake. (Jan. 7.) p. 287-289.
- Prof. J. M. Pernter. (Jan. 7.) p. 280.
- O., R. D. Recent earthquakes. (Jan. 28.) p. 368-369.
- London, Edinburgh, and Dublin philosophical magazine.** London. 6 series. v. 17. Jan., 1909.
- Morton, W. B. Note of the amount of water in a cloud formed by expansion of moist air. p. 190-192.
- Physical review.** Lancaster. v. 28. Feb., 1909.
- Nichols, Edward L. A study of overcast skies. p. 122-131.
- Popular science monthly.** New York. v. 74. Feb., 1908.
- Hobbs, Wm. H. The latest Calabrian disaster. p. 134-140.
- Science.** New York. v. 29. 1909.
- Reid, Harry Fielding. Mr. Manson's theory of geological climates. (Jan. 1.) p. 27-29.
- Gilbert, G. K. Earthquake forecasts. (Jan. 22.) p. 121-128.
- Pemberton, Henry, jr. Peculiar electrical phenomena. (Jan. 22.) p. 143.
- Scientific American.** New York. v. 100. Jan. 29, 1909.
- Murray, W. J. The scientific aspect of earthquakes and volcanoes. p. 82-83.
- Scientific American supplement.** New York. v. 47. 1909.
- Jagar, Thomas A. The Messina earthquake. Prediction and protection. (Jan. 22.) p. 58.
- The Italian earthquake. [Text reprinted from Nature. Illustrations from several English weeklies.] (Jan. 30.) p. 71-74.
- Annales de géographie.** Paris. 18 année. 15 jan., 1909.
- Lessép, R. Le climat de la Kabylie du Djurdjura. p. 24-33.
- Marc, Lucien. La répartition de la pluie entre la côte de Guinée et le sommet de la boucle du Niger. p. 34-45.
- Denis, Pierre. Le Ceara. p. 46-62. [Includes description of the climate.]
- France.** Académie des sciences. Comptes rendus. Paris. v. 148. 1909.
- Birkeland, Kr. Les orages magnétiques polaires et les aurores boréales. (4 jan.) p. 30-33.
- Garrigou-Lagrange, P. La pluie et les sources en Limousin en 1908. (4 jan.) p. 60-62.
- Angot, Alfred. Sur le tremblement de terre du 28 décembre 1908. (4 jan.) p. 62-63.
- Montessus de Ballore, Fernand de. Sur une interprétation possible des ondes de la phase principale des sismogrammes. (18 jan.) p. 200-201.
- Sola, J. Comas. Le tremblement de terre du 28 décembre 1908, enregistré à l'Observatoire Fabra (Barcelone). (18 jan.) p. 202-203.
- Nature.** Paris. 37. année. 1909.
- De Launay, L. Le cataclysme de Messine. (9 jan.) p. 82-83.
- L., D. L. Le désastre Italien. (16 jan.) p. 103-106. [Illustrated.]
- Fournier, Lucien. La résistance de l'air. (23 jan.) p. 114-117.
- Tremblements de terre et mines. (23 jan.) p. 57, suppl.
- Rerue néphologique.** Mons. Nov., 1908.
- Schmidt, Wilhelm. Observations sur l'orientation des cristaux de glace dans les nuages. p. 273-277.
- Deutsche Mechaniker-Zeitung.** Berlin. 1. Oktober 1908.
- Disch, Johann. Tafel zur ungefahrenen Ermittelung der Luftfeuchtigkeit für Temperaturen von 40° bis 100°. p. 181-184.
- Himmel und Erde.** Berlin. 20. Jahrgang. Okt., 1907.
- Meckling, L. Die Forschungstätigkeit von S. M. S. "Planet." p. 19-34. [Contains account of aerological observations and methods. Illustrated.]
- Geographische Zeitschrift.** Leipzig. 14. Jahrgang. Dez., 1908.
- Polis, P. Die meteorologische Organisation der Vereinigten Staaten. p. 658-666.
- Lindenberg, Aeronautisches Observatorium. Ergebnisse. Braunschweig. 3. Band. 1907.
- Coym, Arthur. Ueber die absolute Messung der Intensität der Sonnenstrahlung in Freiballon. p. 111-115.
- Prometheus.** Berlin. 20. Jahrgang. 13. Jan., 1909.
- J., —. Neue Versuche mit Blitzableitern. p. 232-234. [Abstract of paper by M. Hopkins.]
- Weltall.** Berlin. 9. Jahrg. 1909.
- Krebs, Wilhelm. Das Erdbeben vom 14. Januar 1907 und seine Begleiterscheinungen. (1 Jan.) p. 103-107; (15 Jan.) 113-122.
- Habenicht, H. Trockenperioden und Erdbeben. (15 Jan.) p. 127-128.
- Wetter.** Berlin. 25. Jahrgang. December 1908.
- Kienast, [Hermann]. Wettervoraussage vor 180 Jahren. p. 265-273.
- Joester, Karl. Die Föhnerscheinungen im Riesengebirge. p. 273-280.
- Rudel, [K.]. Trockenperioden. p. 284-285.
- Polis, P. Drahtlose Telegraphie und Wetterdienst. p. 285-288.
- Zeitschrift der Gesellschaft für Erdkunde.** Berlin. 1908.
- Baschin, Otto. Die klimatischen Verhältnisse der Stadt Berlin. p. 539-548.
- Hellmann, Gustav. Ueber die extremen Schwankungen des Regenfalls. p. 605-615.
- Hemel en dampkring.** Amsterdam. 6. Jaargang. December 1908.
- S., C. Een bezoek aan Hr. Ms. De Ruyter. p. 113-115. [Describes aerological equipment of the Dutch man-of-war De Ruyter.]
- S., —. De hoek tusschen drukverval en windrichting. p. 115-117.
- Volkswijsheld over het weer. p. 127-128. [Gives a number of Dutch weather proverbs.]